

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("4518285").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:17
L2	519	((299/1.05) or (299/1.3) or (299/1.6) or (299/1.7) or (405/302)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
L3	55	e21d023/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
L4	14	e21d023/14.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
L5	141	e21d023/00.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
L6	148	e21c035/24.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
L7	350	L3 or L4 or L5 or L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/09 09:56
S1	1624	((405/145) or (405/141) or (405/138)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/05 17:15
S2	4	address and singh and detonate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 10:55
S3	4599475	address or encode\$1 or code\$1 or identif\$7 or password	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:19
S4	1624	((405/145) or (405/141) or (405/138)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/01/08 11:07

S5	1624	S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 11:07
S6	15	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 11:14
S7	409	((299/1.3) or (299/1.6) or (299/1.7) or (299/30) or (299/42)). CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/30 04:33
S8	60	S3 and S7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 11:15
S9	17	"2265652"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 11:44
S10	6	"10207698"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/01/08 11:46
S11	1	("3406342").PN.	US-PGPUB; USPAT	OR	OFF	2007/01/08 11:46
S12	2	((("4518285") or ("5062033")).PN.	US-PGPUB; USPAT	OR	OFF	2007/09/04 11:51
S13	1	405/302.ccls. and ((bus adj line) with switch\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/04 11:53
S14	1625	((405/145) or (405/141) or (405/138)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/04 11:53
S15	411	((299/1.3) or (299/1.6) or (299/1.7) or (299/30) or (299/42)). CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/04 11:53
S16	2023	S14 or S15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/04 11:53
S17	274	(405/302).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/09/04 11:53
S18	2274	S16 or S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/04 11:54

S19	197	S18 and switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/04 11:55
S20	40	S18 and (switch\$3 near9 (open\$3 or clos \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/04 11:55
S21	487	(singh.xa. or singh.xp.) and switch\$3	USPAT	OR	ON	2007/09/04 13:21
S22	4	S21 and detonat\$5	USPAT	OR	ON	2007/09/04 13:21
S23	2	"20070108133"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/05 17:23
S24	17	("1315615"   "20050063782"   "4122012"   "4645377"   "5197824").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/09/05 17:25
S25	6	("1315615"   "20050063782"   "4122012"   "4645377"   "5197824").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 17:33
S26	27	singh and terrorist	USPAT	OR	ON	2007/09/05 17:37
S27	0	"20070003371"	USPAT	OR	ON	2007/09/05 17:37
S28	1	"20070003371"	US-PGPUB; USPAT	OR	ON	2007/09/05 17:38
S29	60	dewatering and "15"/\$. ccls.	US-PGPUB; USPAT	OR	ON	2007/09/05 17:38
S30	11	S29 and pipeline	US-PGPUB; USPAT	OR	ON	2007/09/05 19:27
S31	1	("4540065").PN.	US-PGPUB; USPAT	OR	OFF	2007/09/05 19:27
S32	6496665	address or encode\$1 or code\$1 or identif\$7 or password or coding or assign\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:34
S33	381546	longwall or sidewall	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:58
S34	6751246	address or encode\$1 or code\$1 or identif\$7 or password or coding or assign\$3 or unique \$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:38

S35	73990	((bus adj line) or cable) with switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:19
S36	153705	(address or encode\$1 or code\$1 or identif\$7 or password or coding or assign\$3 or unique \$3) with command\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:39
S37	54	S33 and S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:49
S38	4247	S35 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:40
S39	977	((299/1.05-1.9) or (299/30) or (299/42) or (405/302)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/30 06:05
S40	3	S38 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:42
S41	1414967	magnify or magnifies magnif\$4 or amplify or amplifies or amplif\$4 or intensif\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:20
S42	4450434	transmit or transmitted or transmitting or convey or conveying or conveyed or send or sending or sent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:23
S43	1666	S38 and S41 and S42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:57
S44	1620	(longwall or sidewall) with (mine or mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:59
S45	3	S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 04:59
S46	338455	(magnify or magnifies magnified or amplify or amplifies or amplified or intensify or intensified or intensifies) with signal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:06

S47	770	S46 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:08
S48	90566	S42 same S46	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:08
S49	409	S48 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:08
S50	35304	singh	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:10
S51	73990	((bus adj line) or cable) with switch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 05:19
S52	17467	((bus adj line) or cable) with switch\$3	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:19
S53	219227	(magnif\$4 or amplif\$4 or intensif\$4) with signal	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:21
S54	710055	(transmit or retransmit \$4 or transmission or transmitted or transmitting or convey or conveying or conveyed or send or sending or sent or conduct or conducting or conducted or transport or transporting or transported or carry or carried or carrying) with signal	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:25
S55	190	S52 and S53 and S54	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:25
S56	514	(longwall or sidewall) with (mine or mining)	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:25
S57	0	S55 and S56	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:26
S58	67742	(feedback or return) with signal	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:26
S59	43315	S53 same S54	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:27
S60	10	S52 and S58 and S59	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:30

S61	175	S52 and S59	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:30
S62	30535	(address or encode\$1 or code\$1 or identif\$7 or password or coding or assign\$3 or unique \$3) with command\$3	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:39
S63	2	S61 and S62	EPO; JPO; DERWENT	OR	ON	2007/10/30 05:40
S64	977	((299/1.05-1.9) or (299/30) or (299/42) or (405/302)).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/10/30 06:06
S65	19	S51 and S64	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 06:06
S66	4	("3482877").PN. OR ("4099782").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 06:18
S67	2	((("4518285") or ("5062033")).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 06:35
S68	1	("6604584").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/30 07:18
S69	7	("1027698").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/30 07:19
S70	5	("3406342").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/30 08:23
S71	2	("5062033").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/10/30 08:23
S72	131	singh.xa. and "405"/\$. ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/30 14:31
S73	131	singh.xa. and "405"/\$. ccls.	USPAT	OR	ON	2007/10/30 14:31
S74	6	("3905570"   "4786088"   "5018260"   "5575558"   "6418591"   "6439809").PN. OR ("6644892").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/30 14:33
S75	1	("5062033").PN.	USPAT	OR	OFF	2008/05/12 02:18

S76	6	"10207698"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:18
S77	5	((("3406342") or ("4146271") or ("5029943") or ("6481802") or ("6509842")).PN.	USPAT	OR	OFF	2008/05/12 02:23
S78	55	e21d023/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S79	0	e21d23/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S80	55	e21d023/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S81	0	e21d023/012.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S82	0	e21d23/012.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S83	55	e21d023/12.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S84	14	e21d023/14.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:52
S85	140	e21d023/00.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:53
S86	148	e21c035/24.ipc.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:53
S87	349	S83 or S84 or S85 or S86	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 02:54

S88	519	((299/1.05) or (299/1.3) or (299/1.6) or (299/1.7) or (405/302)).OCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/12 03:40
S89	444	S88 not S87	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 03:40
S90	81	("3243964"   "3285015"   "3320001"   "3378303"   "3482877"   "3495499"   "3531159"   "3633081"   "3643445"   "3664138"   "3922015"   "4050256"   "4109472"   "4130319"   "4134270"   "4146271"   "4159470"   "4159671"   "4162371"   "4228508"   "4315439"   "4330154"   "4352103"   "4398851"   "4451181"   "4453774"   "4465319"   "4466667"   "4490785"   "4518285"   "4570217"   "4575842"   "4579019"   "4607330"   "4638473"   "4646896"   "4692067"   "4748560"   "4870697"   "5020860"   "5029943"   "5110187"   "5137336"   "5234256"   "5275469").PN. OR ("3406342"   "4099782"   "4146271"   "4518285"   "4828326"   "4899332"   "5029943"   "5062033"   "6481802"   "6509842").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/12 04:13



S91	81	("3243964"   "3285015"   "3320001"   "3378303"   "3482877"   "3495499"   "3531159"   "3633081"   "3643445"   "3664138"   "3922015"   "4050256"   "4109472"   "4130319"   "4134270"   "4146271"   "4159470"   "4159671"   "4162371"   "4228508"   "4315439"   "4330154"   "4352103"   "4398851"   "4451181"   "4453774"   "4465319"   "4466667"   "4490785"   "4518285"   "4570217"   "4575842"   "4579019"   "4607330"   "4638473"   "4646896"   "4692067"   "4748560"   "4870697"   "5020860"   "5029943"   "5110187"   "5137336"   "5234256"   "5275469").PN. OR ("3406342"   "4099782"   "4146271"   "4518285"   "4828326"   "4899332"   "5029943"   "5062033"   "6481802"   "6509842").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/12 04:38
S92	3	hocking.in. and singh. xa.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/05/12 04:57
S93	18	("4271696"   "4281713"   "4353244"   "4429647"   "4432078"   "4724905"   "5032042"   "5061119"   "5103911"   "5133625"   "5263795"   "5322126"   "5524709"   "5934373"   "5963508").PN. OR ("6330914").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/12 04:58

S94	40	("2642142"   "2952319"   "3058730"   "3237690"   "3280913"   "3402769"   "3547198"   "3727688"   "3779915"   "3948325"   "4271696"   "4281713"   "4353244"   "4429647"   "4432078"   "4555493"   "5032042"   "5061119"   "5103911"   "5133625"   "5263795"   "5564499"   "5944446"   "5963508"   "5981447"   "6070666").PN. OR ("6216783").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/12 04:59
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6/ 9/ 2008 10:15:46 AM

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